

PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s)	
	09/719,591	Mohammed N. Islam et al.	
	Docket Number	Group Art Unit	Filing Date
	069204.0163	2633	December 12, 2000

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<input checked="" type="checkbox"/>	A	5,831,754	11/03/1998	Nakano	359	161	05/01/1995
	B						
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
<input checked="" type="checkbox"/>	N E.M. Dianov, "Raman fiber amplifiers," Fiber Optics Research Center at the General Physics Institute of the Russian Academy of Sciences, Moscow, Russia, 5 pages	© 1999
<input checked="" type="checkbox"/>	O A.K. Srivastava, et al., "System Margin Enhancement with Raman Gain in Multi-Span WDM Transmission," Technical Digest, OFC '99, 3 pages.	Friday 2/26/1999
<input type="checkbox"/>	P PCT, Written Opinion, International Preliminary Examining Authority," 6 pages.	10 Mar 2003
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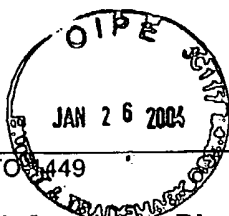
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Deandra Hughes

DATE CONSIDERED

Aug 2, 2007

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PTO 449 Information Disclosure Citation in an Application	Application No.	Applicant(s)	
	09/719,591	Mohammed N. Islam et al.	
	Docket Number	Group Art Unit	Filing Date
	069204.0163		December 12, 2000

U.S. PATENT DOCUMENTS

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<input checked="" type="checkbox"/>	A	6,147,794	11/14/2000	Stentz	359	334	02/04/1999
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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<input checked="" type="checkbox"/>	Q	S.A.E. Lewis, et al., "1.4W saturated output power from a fibre Raman amplifier," OFC., 3 pages	OFC. 1999
		PCT Notification of Transmittal of the International Search Report or the Declaration, 5 pages	01/21/2003
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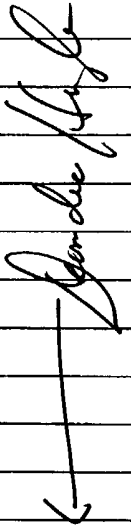
Jennifer Hughes

DATE CONSIDERED

Aug 2, 2004

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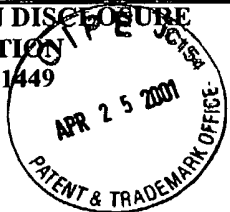
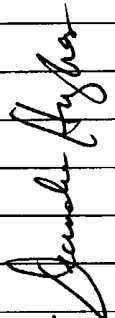
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Information Disclosure Citation In an Application		Docket Number 069204.0163	Group Art Unit 2633	Filing Date December 12, 2000		
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	6,219,06 B1	4-17-2001	Terahara	359	341	7-21-1998
B	6,263,139 B1	7-17-2001	Kawakami et al.	385	123	11-9-1999
C	6,356,383 B1	3-12-2002	Cornwell, Jr. et al.	359	334	3-31-2000
D	6,404,964 B1	6-11-2002	Bhagavatula et al.	385	123	4-14-1999
E	6,414,786 B1	7-2-2002	Foursa	359	334	3-27-2000
F	6,417,959 B1	7-9-2002	Bolshtyansky et al.	359	334	2-1-2001
G	6,437,906 B1	8-20-2002	Di Pasquale et al.	359	337.2	11-22-2000
H	2002/0001123 A1	1-3-2002	Miyakawa et al.	359	334	6-21-2001
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P	1 180 860 A1	19.02.2001	EP	H04B	10/17	X
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S						
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
T	Hiroji Masuda and Shingo Kawal, Ultra Wide-Band Raman Amplification With A Total Gain-Bandwidth of 132 nm Of Two Gain-Bands Around 1.5 μ m, ECOC '99, Nice, France, pp. 11-146 - 11-147.					26-30 September 1999
U	Sugizaki, et al., Slope Compensating DCF for S-band Raman Amplifier, OSA TOPS Vol. 60, Optical Amplifiers and Their Applications, Nigel Jolley, John D. Minelly, and Yoshiaki Nakano, eds., 2001 Optical Society of America, pp. 49-53.					2001
V	Vasilyev, et al., Pump intensity noise and ASE spectrum of Raman amplification in non-zero dispersion-shifted fibers, reprinted from the Optical Amplifiers and Their Applications Conference, 2001 Technical Digest, 2001 Optical Society of America, pp. 57-59.					2001
W						
X						
EXAMINER DEANORA M. HUGHES				DATE CONSIDERED Aug 2, 2004		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						
U.S. PATENT AND TRADEMARK OFFICE						

INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 20434-736		SERIAL NO. 09/719,591			
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		FILING DATE 12/12/00		GROUP Not Assigned			
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	4,063,106	12/113/77	Ashkin et al.	307	88.3		
	4,685,107	8/4/87	Kafka et al.	372	6		
	4,740,974	4/26/88	Byron	372	3		
	5,039,199	8/13/91	Mollenauer et al.	359	334		
	5,050,183	9/17/91	Duling, III	372	94		
	5,058,974	10/22/91	Mollenauer	385	27		
	5,117,196	5/26/92	Epworth et al.	359	333		
	5,132,976	7/21/92	Chung et al.	372	6		
	5,134,620	7/28/92	Huber	372	6		
	5,191,586	3/2/93	Huber	372	6		
	5,191,628	3/2/93	Byron	385	27		
	5,218,655	6/8/93	Mizrahi	385	39		
	5,268,910	12/7/93	Huber	372	6		
	5,295,016	3/15/94	Van Deventer	359	347		
	5,323,404	6/21/94	Grubb	372	6		
5,359,612	10/25/94	Dennis et al.	372	18			
5,450,427	9/12/95	Fermann et al.	372	18			
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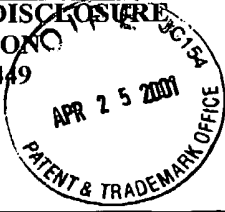
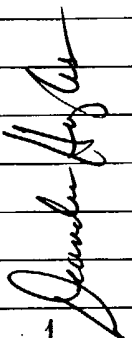
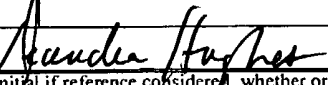
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	5,473,622	12/5/95	Grubb	372	6		
	5,477,555	12/19/95	Debeau et al.	372	25		
	5,479,291	12/26/95	Smith et al.	359	333		
	5,485,481	1/16/96	Ventrudo et al.	372	6		
	5,497,386	3/5/96	Fontana	372	18		
	5,504,771	4/2/96	Vahala et al.	372	94		
	5,513,194	4/30/96	Froberg et al.	372	6		
	5,521,738	5/28/96	Froberg	359	184		
	5,530,710	6/25/96	Grubb	372	6		
	5,541,947	7/30/96	Mourou et al.	372	25		
	5,542,011	7/30/96	Robinson	385	24		
	5,577,057	11/19/96	Friskien	372	18		
	5,617,434	4/1/97	Tamura et al.	372	6		
	5,623,508	4/22/97	Grubb et al.	372	3		
	5,659,559	8/19/97	Ventrudo et al.	372	6		
5,673,281	9/30/97	Byer	372	3			
5,734,665	3/31/98	Jeon et al.	372	6			
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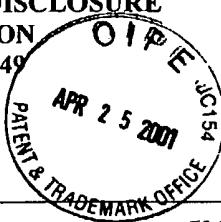
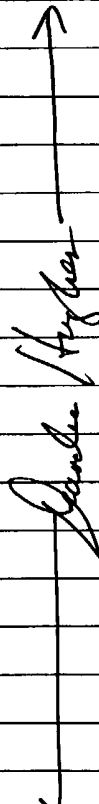

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	5,757,541	5/26/98	Fidric	359	341		
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	5,841,797	11/24/98	Ventrudo et al.	372	6		
	5,847,862	12/8/98	Chraplyvy et al.	359	337		
	5,861,981	1/19/99	Jabr	359	341		
	5,880,866	3/9/99	Stolen	359	138		
	5,883,736	3/16/99	Oshima et al.	359	341		
	5,887,093	3/23/99	Hansen et al.	385	27		
	5,920,423	7/6/99	Grubb et al.	359	341		
	5,768,012	6/16/98	Zanoni et al.	359	341		
	5,673,280	9/30/97	Grubb et al.	372	3		
	5,659,644	8/19/97	DiGiovanni et al.	385	31		
	5,389,779	2/14/95	Betzig et al.	250	216		
	5,323,404	6/21/94	Grubb	372	6		
	5,226,049	7/6/93	Grubb	372	6		
5,225,925	7/6/93	Grubb et al.	359	341			
5,825,520	10/20/98	Huber	359	130			
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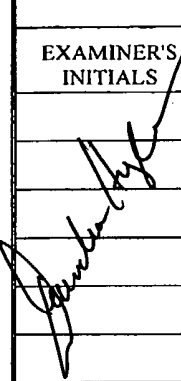






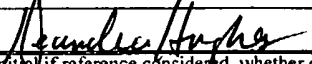
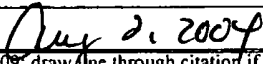
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		APPLICANT Islam					
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	5,726,784	3/10/98	Alexander et al.	359	125		
	5,701,186	12/23/97	Huber	359	125		
	5,659,351	8/19/97	Huber	348	7		
	5,600,473	2/4/97	Huber	359	179		
	5,579,143	11/26/96	Huber	359	130		
	5,557,442	9/17/96	Huber	359	179		
	5,555,118	9/10/96	Huber	359	125		
	5,532,864	7/2/96	Alexander et al.	359	177		
	5,504,609	4/2/96	Alexander et al.	359	125		
	5,467,212	11/14/95	Huber	359	168		
	5,416,629	5/16/95	Huber	359	182		
	5,400,166	3/21/95	Huber	359	173		
	5,373,389	12/13/94	Huber	359	195		
5,331,449	7/19/94	Huber et al.	359	125			
5,321,707	6/14/94	Huber	372	6			
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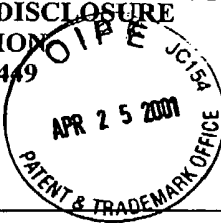









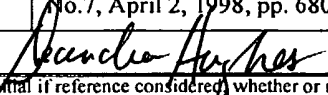
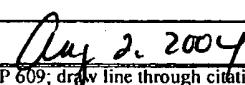
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	5,301,054	4/5/94	Huber et al.	359	132	
	5,295,209	3/15/94	Huber	385	37	
	5,293,545	3/8/94	Huber	359	111	
	5,283,686	2/1/94	Huber	359	337	
	5,271,024	12/14/93	Huber	372	6	
	5,257,124	10/26/93	Glaab et al.	359	124	
	5,243,609	9/7/93	Huber	372	9	
	5,222,089	6/22/93	Huber	372	6	
	5,212,579	5/18/93	Huber et al.	359	182	
	5,210,631	5/11/93	Huber et al.	359	132	
	5,208,819	5/4/93	Huber	372	32	
	5,200,964	4/6/93	Huber	372	26	
	5,187,760	2/16/93	Huber	385	37	
	5,166,821	11/24/92	Huber	359	238	
5,159,601	10/27/92	Huber	372	6		
5,153,762	10/6/92	Huber	359	125		
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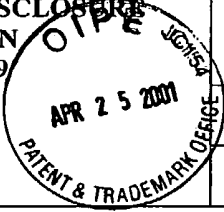











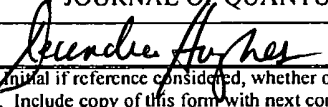
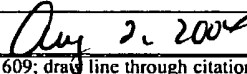
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	5,151,908	9/29/92	Huber	372	6	
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	5,268,910	12/7/93	Huber	372	6	
	5,107,360	4/21/92	Huber	359	124	
	4,831,616	5/16/89	Huber	370	3	
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	Sun, Y. et al., "80nm Ultra-Wideband Erbium-Doped Silicia Fibre Amplifier" ELECTRONICS LETTERS, November 6, 1997, Vol. 33, No. 23, pp. 1965-1967					
	Wysocki, P.F. et al., "Broad-Band Erbium-Doped Fiber Amplifier Flattened Beyond 40nm Using Long-Period Grating Filter", IEEE PHOTONICS, Vol. 9, No. 10, October 10, 1997, pp. 1343-1345					
	Liaw, S-K et al., "Passive Gain-Equilized Wide-Band Erbium-Doped Fiber Amplifier Using Samarium-Doped Fiber", IEEE PHOTONICS TECHNOLOGY: LETTERS, Vol. 8, No. 7, July 7, 1996, pp. 879-881					
	Yamada, M. et al., "A Low-Noise and Gain-Flattened Amplifier Composed of a Silica-Based and a Fluoride-Based Er3+-Doped Fiber Amplifier in a Cascade Configuration", IEEE PHOTONICS LETTERS, Vol. 8, No. 5, May 1996, pp. 620-622					
	Ma, M.X. et al., "240-km Repeater Spacing in a 5280-km WDM System Experiment Using 8x2.5 Gb/s NRZ Transmission", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 10, No. 6, June 1998, pp. 893-895					
	Masuda, H. et al., "Ultrawide 75-nm 3-dB Gain-Band Optical Amplification with Erbium-Doped Fluoride Fiber Amplifiers and Distributed Raman Amplifiers", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 10, No. 4, April 1998, pp. 516-518					
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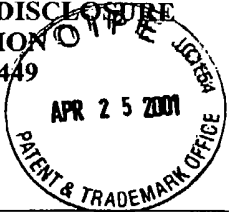
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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	Chernikov, S.V. et al., "Raman Fibre Laser Operating at 1.24μm", ELECTRONICS LETTERS, Vol. 34, No.7, April 2, 1998, pp. 680-681 ✓					
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INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 20434-736		SERIAL NO. 09/719,591			
		APPLICANT Islam					
		FILING DATE 12/12/00		GROUP Not Assigned			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS		
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		APPLICANT Islam					
		FILING DATE 12/12/00		GROUP Not Assigned			
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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<i>th</i>	WO 98/20587	5/14/98	PCT	H01S	3/30	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>th</i>	0 903 876 A1	3/24/99	Europe	H04B	10/17	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>th</i>	0 936 761 A1	8/18/99	Europe	H04B	10/18	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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<i>th</i>	Marhic, M.E. et al., "Cancellation of Stimulated-Raman-Scattering Cross Talk in Wavelength-Division-Multiplexed Optical Communication Systems by Series or Parallel Techniques", OPTICAL SOCIETY OF AMERICA, 1998, Vol. 15, No. 3, pp. 958-963						<input checked="" type="checkbox"/>
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<i>th</i>	Ikeda, M., "Stimulated Raman Amplification Characteristics in Long Span Single-Mode Silica Fibers", OPTICS COMMUNICATIONS, Vol. 39, No. 3, 1981, pp. 148-152						<input checked="" type="checkbox"/>
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<i>th</i>	Chinn, S.R. "Analysis of Counter-Pumped Small-Signal Fibre Raman Amplifiers", ELECTRONICS LETTERS, Vol. 33, No. 7, March 27, 1997, pp. 607-608						<input checked="" type="checkbox"/>
<i>th</i>	Stolen, R.H. et al., "Raman Gain in Glass Optical Waveguides", APPL. PHYS. LETT. Vol. 22, No. 6, March 15, 1973, pp. 276-278						<input checked="" type="checkbox"/>
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<i>th</i>	Nissov, M. et al., "100 Gb/s (10x10Gb/s) WDM Transmission Over 7200 km Using Distributed Raman Amplification", CENTER FOR BROADBAND TELECOMMUNICATIONS, pp. 9-12						<input checked="" type="checkbox"/>
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EXAMINER <i>DEANDRA M. HUGHES</i>			DATE CONSIDERED <i>July 2, 2004</i>				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449

**Information Disclosure Citation
In an Application**

Application No.

09/719,591

Applicant(s)

Mohammed N. Islam et al.

Inventor Number

009204.0163

Group Art Unit

Filing Date

June 16, 1999

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
1	A	4,616,898	10/14/1983	Hicks, Jr.	350	96.15	09/28/1983
	B	4,699,452	10/13/1987	Mollenauer et al.	350	96.16	10/28/1985
	C	4,932,739	06/12/1990	Islam	350	96.15	09/25/1989
	D	4,995,690	02/26/1991	Islam	350	96.15	04/24/1989
	E	5,020,050	05/28/1991	Islam	370	4	10/13/1989
	F	5,078,464	01/07/1992	Islam	385	122	11/07/1990
	G	5,101,456	03/31/1992	Islam	385	27	11/07/1990
	H	5,115,488	05/19/1992	Islam et al.	385	129	05/10/1991
	I	5,224,194	06/29/1993	Islam	385	122	04/02/1991
	J	5,369,519	11/29/1994	Islam	359	173	02/05/1993
	K	5,485,536	01/16/1996	Islam	385	31	10/13/1994
	L	5,559,920	09/24/1996	Chraplyvy et al.	385	123	03/01/1995
	M	5,629,795	05/13/1997	Suzuki et al.	359	337	08/31/1995
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	Q	0 9 197452 A	31.07.1997	JP	G02F	1/35	X
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	S	0 903 877 A2	24.03.1999	EP	H04B	10/18	X
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	AA	Grubb et al., "Detailed analysis of Raman amplifiers for long-haul transmission," OEC Technical Digest, pp. 30-31	1998
	BB	Kawai et al., "Ultra-wide, 75-nm 3-dB gain-band optical amplifier utilizing erbium-doped fluoride fiber and Raman fiber," OFC Technical Digest, pp. 32-34	1998
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EXAMINER

DEANDRA M. HUGHES

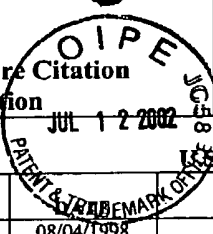
DATE CONSIDERED

July 2, 2004

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U.S. PATENT AND TRADEMARK OFFICE

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PTO-1449		Application No. 09/719,591		Applicant(s) Mohammed N. Islam et al.			
Information Disclosure Citation In an Application		Docket Number 069204.0163	Group Art Unit	Filing Date June 16, 1999			
<div style="text-align: center;">  </div>							
		DOCUMENT NO.	NAME	CLASS	SUBCLASS	FILING DATE	
	A	5,790,300	08/04/1998	Zediker et al.	359	334	10/15/1996
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	Y	Pending Patent Application, USSN 09/768,367, entitled "All Band Amplifier"					Filed 01/22/2001
	Z	Pending Patent Application; USSN 09/766,489; entitled "Nonlinear Polarization Amplifiers in Nonzero Dispersion Shifted Fiber"					Filed 01/19/2001
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	BB	Pending Patent Application; USSN 09/760,201; entitled "Low-Noise Distributed Raman Amplifier Using Bi-Directional Pumping Using Multiple Raman Orders"					Filed 01/12/2001
	CC	Pending Patent Application; USSN 09/765,972; entitled "S+ Band Nonlinear Polarization Amplifiers"					Filed 01/19/2001
EXAMINER <i>DEANDRA M. HUGHES</i>				DATE CONSIDERED <i>Aug 2, 2004</i>			
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Information Disclosure Citation In an Application		Serial Number 069204.0163		Filing Date June 16, 1999		
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N	Pending Patent Application; USSN 10/003,199; entitled "Broadband Amplifier and Communication System"					Filed 10/30/2001
O	Pending Patent Application; USSN 10/007,643; entitled "Multi-Stage Optical Amplifier and Broadband Communication System"					Filed 10/30/2001
P	Pending Patent Application; USSN 10/014,839; entitled "Multi-Stage Optical Amplifier and Broadband Communication System"					Filed 12/10/2001
Q	Pending Patent Application; USSN 09/990,142; entitled "Broadband Amplifier and Communication System"					Filed 11/20/2001
R	Pending Patent Application; USSN 10/100,591; entitled "System and Method for Managing System Margin"					Filed 03/15/2002
S	Pending Patent Application; USSN 10/100,587; entitled "Fiber Optic Transmission System with Low Cost Transmitter Compensation"					Filed 03/15/2002
T	Pending Patent Application; USSN 10/116,487; entitled "Fiber Optic Transmission System for a Metropolitan Area Network"					Filed 04/03/2002
U	Pending Patent Application; USSN 10/100,589; entitled "System and Method for Dispersion Compensation in an Optical Communication System"					Filed 03/15/2002
V	Pending Patent Application; USSN 10/100,700; entitled "Rack System for an End Terminal in an Optical Communication Network"					Filed 03/15/2002
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EXAMINER <i>Deandra M. Hughes</i>				DATE CONSIDERED <i>Aug 2, 2004</i>		
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